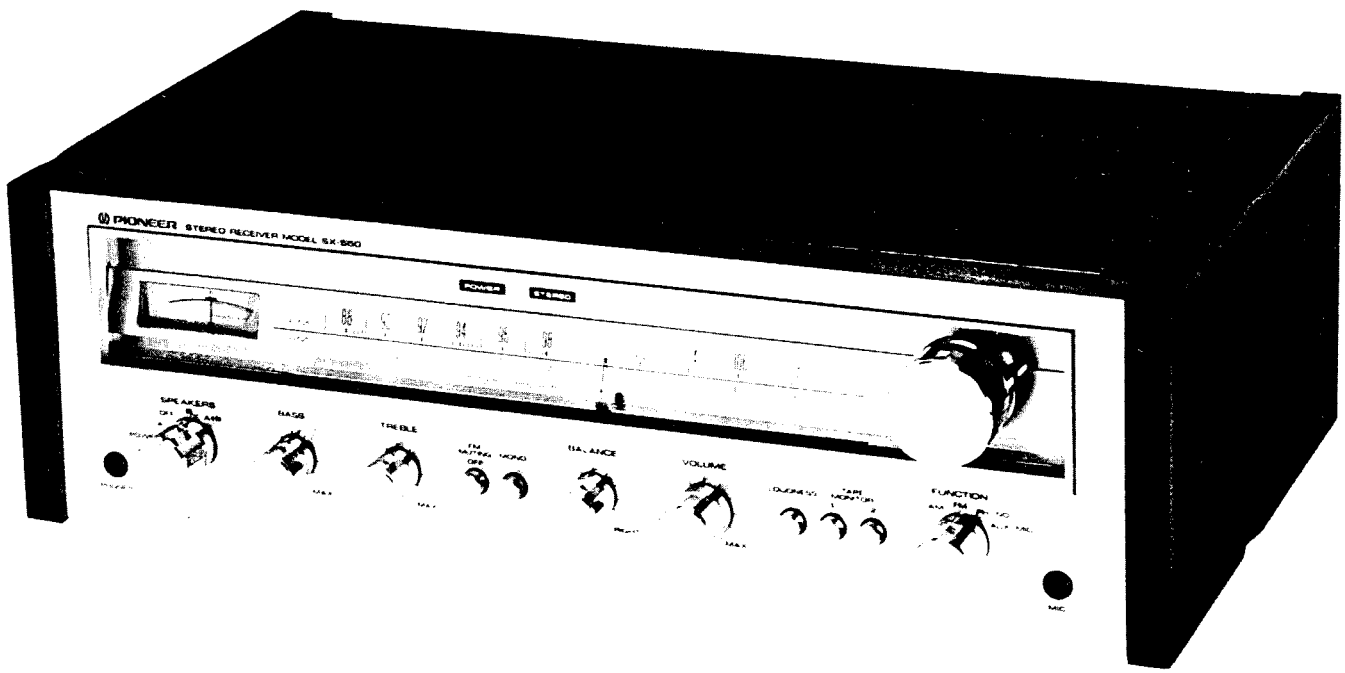
AM/FM STEREO RECEIVER

SX-550

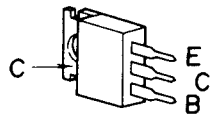
SERVICE MANUAL



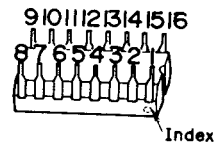
PIONEER®

External Appearance of Transistors and ICs

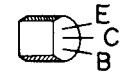
2SA816
2SB596
2SD313
2SD526



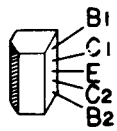
HA1137
HA1138



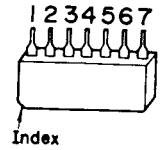
2SA697
2SA725
2SC1211
2SC1312



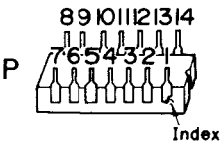
2SA798



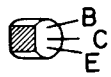
TA7136P1



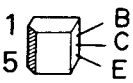
HA1156W-P



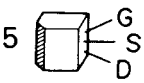
2SC945
2SC945A
2SC1438



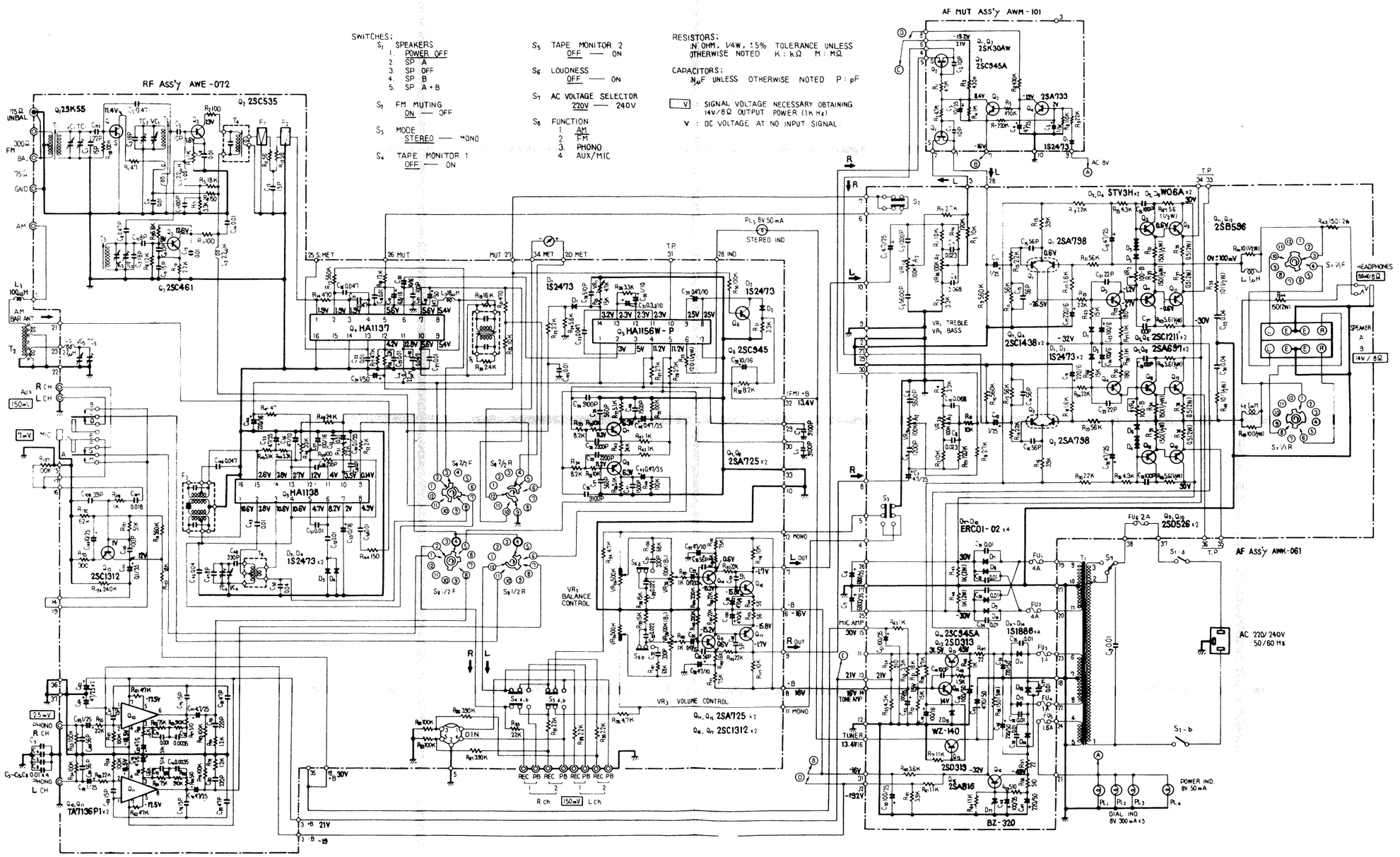
2SC461
2SC535



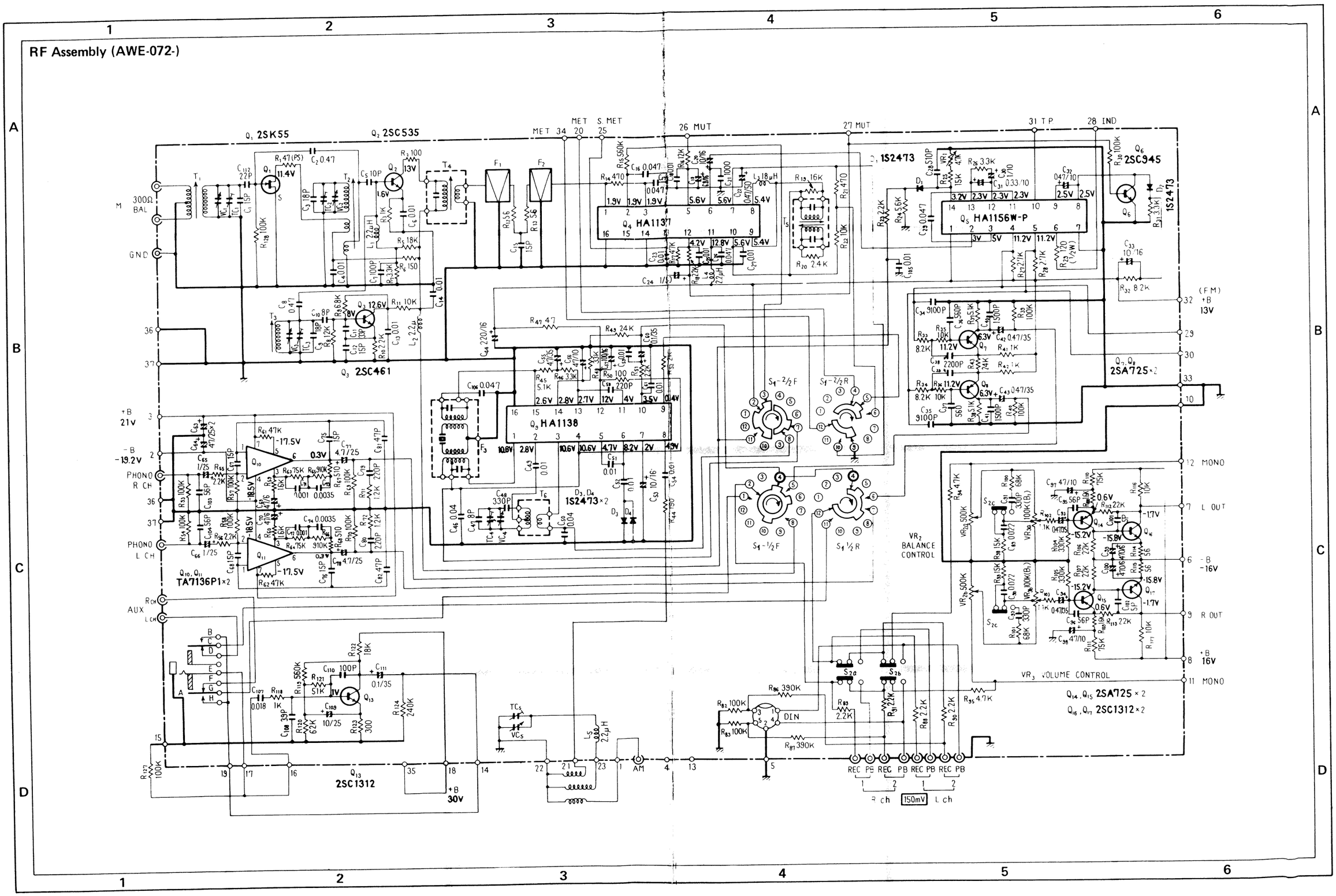
2SK55



SCHEMATIC DIAGRAM

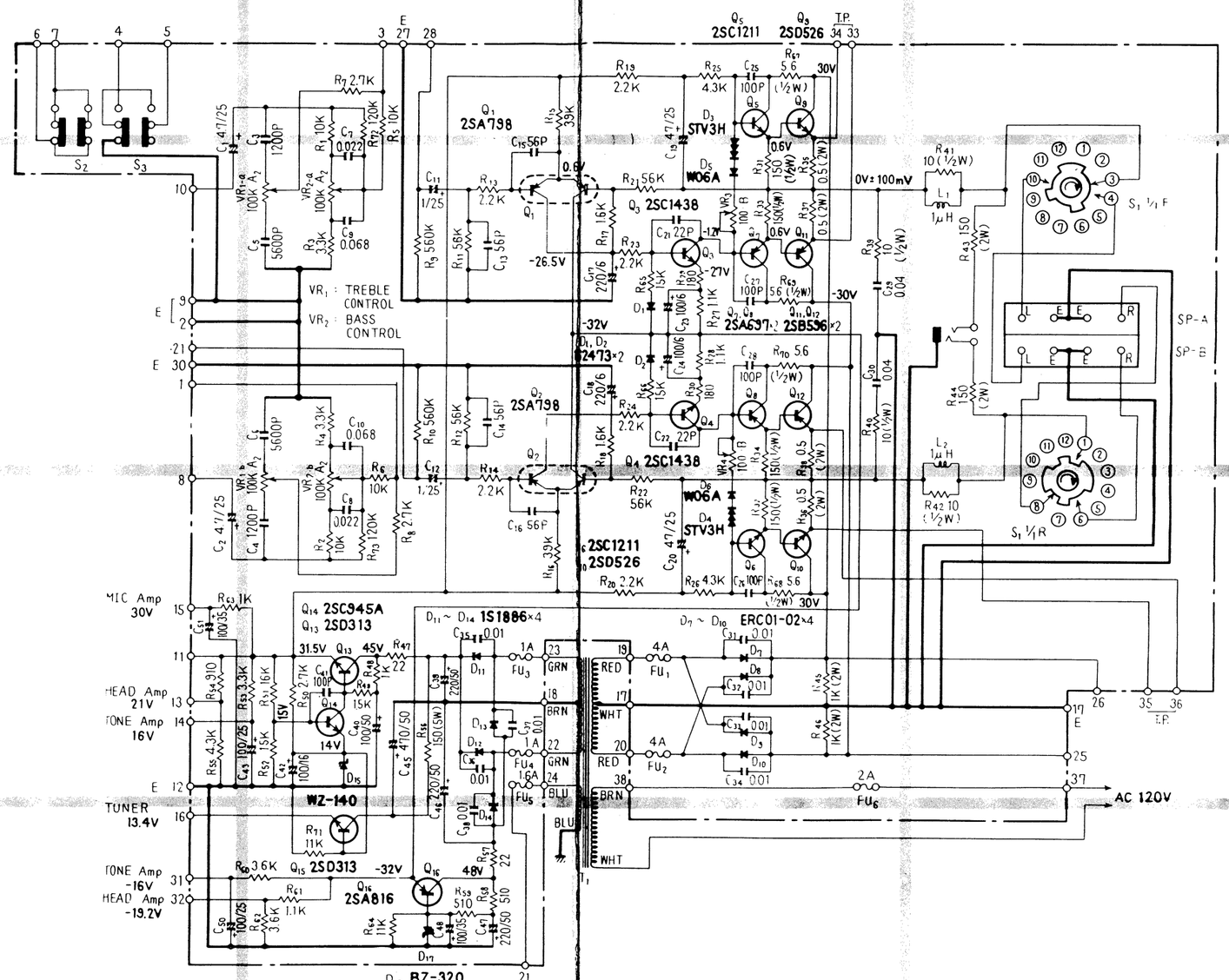

SWITCHES;
S1 SPEAKERS 1. POWER OFF 2. SP A 3. SP OFF 4. SP B 5. SP A+B
S2 FM MUTING ON — OFF
S3 MODE STEREO — MONO
S4 TAPE MONITOR 1 OFF — ON
S5 TAPE MONITOR 2 OFF — ON
S6 LOUDNESS OFF — ON
S7 AC VOLTAGE SELECTOR 220V — 240V
S8 FUNCTION 1. AM 2. FM 3. PHONO 4. AUX/MIC
RESISTORS; Ω: OHM, 1/4W, ±5% TOLERANCE UNLESS OTHERWISE NOTED K: kΩ M: MΩ
CAPACITORS; μF UNLESS OTHERWISE NOTED P: pF
[V] : SIGNAL VOLTAGE NECESSARY OBTAINING 14V/8Ω OUTPUT POWER (1kHz)
V : DC VOLTAGE AT NO INPUT SIGNAL
RF ASS'y AWE-072
AF MUT ASS'y AWM-101
AF ASS'y AWK-061
Q1 2SK55
Q2 2SC535
Q3 2SC461
Q4 HA1137
Q5 HA1156W-P
Q6 2SC945
Q7 2SA725 x2
Q8 HA1138
Q9, Q10 TA7136P1 x2
Q11 2SC1312
Q12 2SA733
Q13 2SK30AW
Q14 2SC945A
Q15 2SA798
Q16 2SC1438 x2
Q17 2SA1211 x2
Q18 2SA691 x2
Q19 2SB596
Q20 2SC1211 x2
Q21 2SD313
Q22 2SA816
Q23 2SC945A
Q24 2SD313
Q25 2SD313
Q26 2SC1312 x2
Q27 2SA725 x2
Q28 2SD313
Q29 2SA816
Q30 2SC1438 x2
D1, D2 1S2473 x2
D3, D4 1S2473 x2
D5, D6 1S2473
D7 1S2473
D8 1S2473
D9 1S2473
D10 1S2473
D11 1S2473
D12 1S2473
D13 1S2473
D14 1S2473
D15 1S2473
D16 1S2473
D17 1S2473
D18 1S2473
D19 1S2473
D20 1S2473
D21 1S2473
D22 1S2473
D23 1S2473
D24 1S2473
D25 1S2473

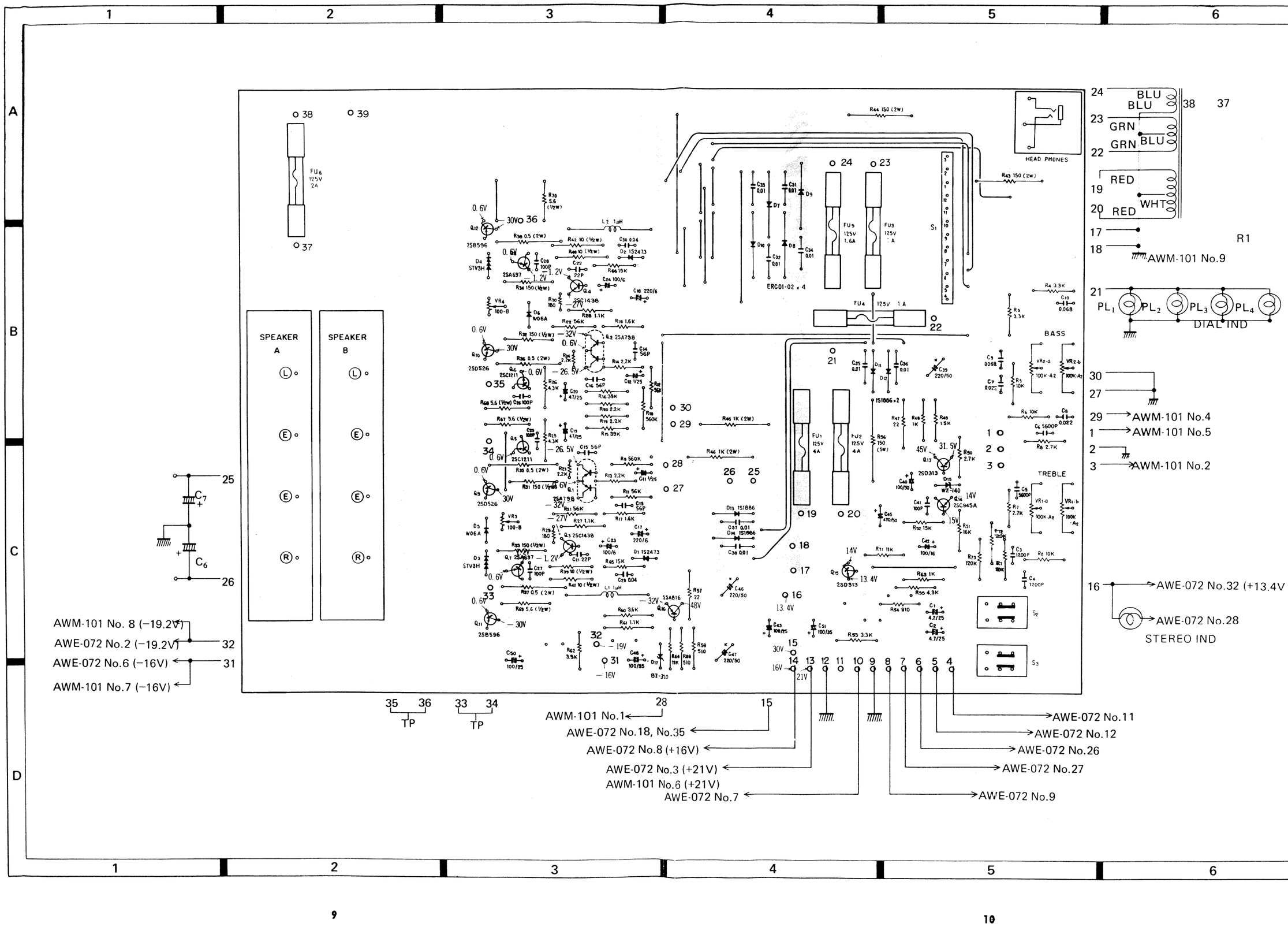
RF Assembly (AWE-072-)



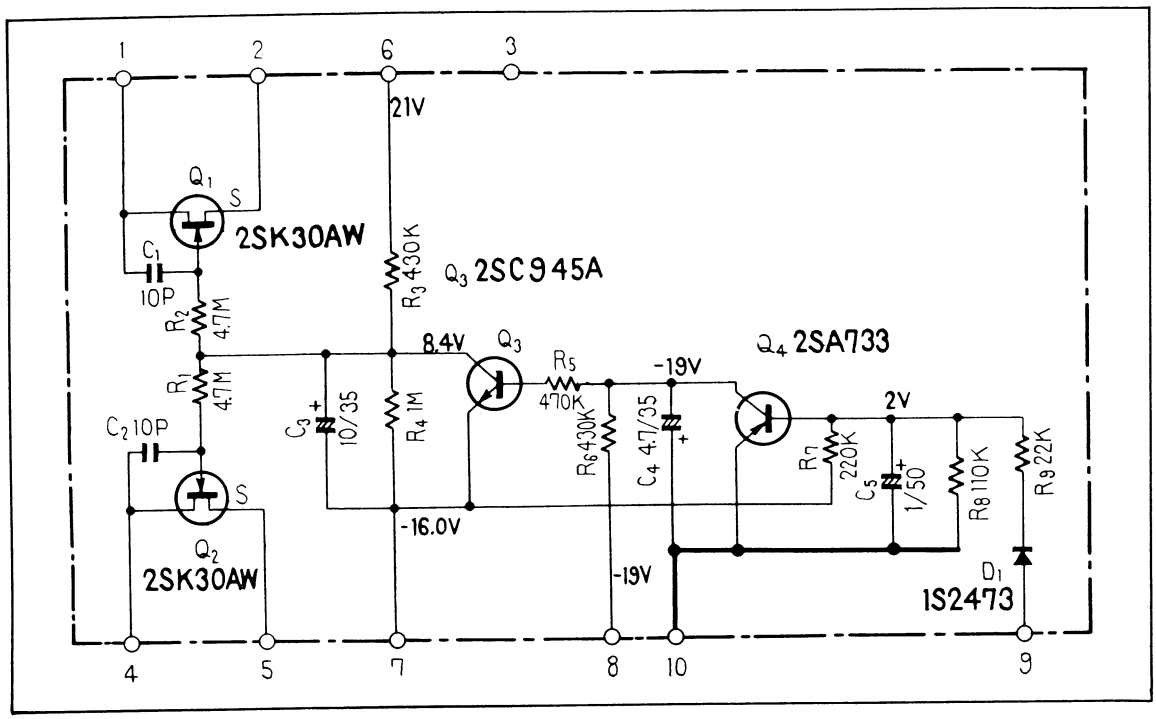
Meter
TP
34
31
MIC JACK
19
20
AWK-054 No.15
18
14
32
PL5
STEREO
IND
AWK-054 No.16 (+13V)
28
35
VOLUME
BALANCE
S1-1/2
S1-2/2
S2b
S2a
S2c
AM BAR-ANT
1
21
23
22
FM
FM
GND
AM
PHONO
AUX
REC
PLAY
REC
PLAY
26 → AWK-054 No.6
27 → AWK-054 No.7
2 → AWM-101 No.8 (−19V)
AWK-054 No.32 (−19V)
3 → AWM-101 No.6 (+21V)
AWK-054 No.13 (+21V)
AWK-054 No.5
AWK-054 No.4
AWM-101 No.9 (−16V)
AWK-054 No.31 (−16V)
AWK-054 No.10
AWK-054 No.14 (+16V)
AWK-054 No.8
25M
75μ
DE EMPHASIS

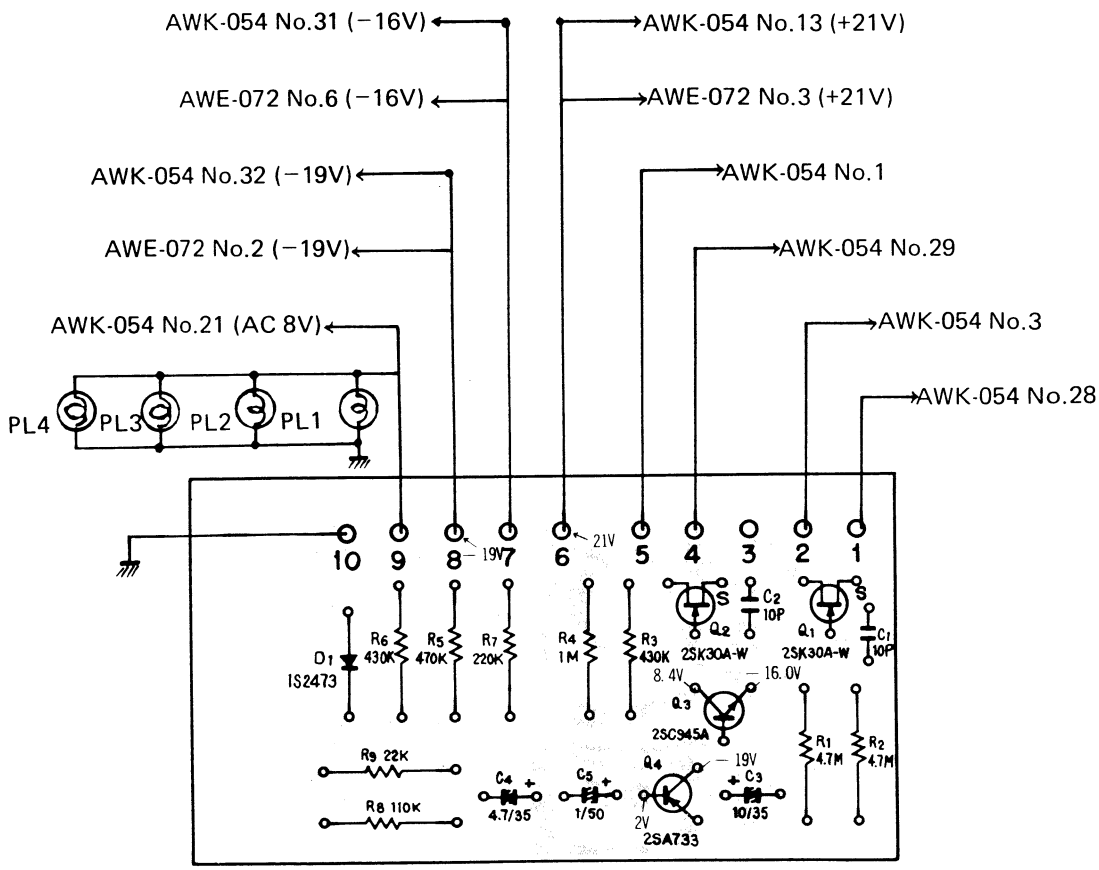
AF AMPLIFIER ASSEMBLY (AWK-061)




SPEAKER A
SPEAKER B
FU6 125V 2A
HEAD PHONES
ERC01-02 x 4
FU4 125V 1A
FU5 125V 1.6A
FU3 125V 1A
FU1 125V 4A
FU2 125V 4A
BASS
TREBLE
DIAL IND
STEREO IND
BLU
GRN
RED
WHT
R1
AWM-101 No.9
AWM-101 No.4
AWM-101 No.5
AWM-101 No.2
AWE-072 No.32 (+13.4V
AWE-072 No.28
AWM-101 No. 8 (−19.2V)
AWE-072 No.2 (−19.2V)
AWE-072 No.6 (−16V)
AWM-101 No.7 (−16V)
TP
AWM-101 No.1
AWE-072 No.18, No.35
AWE-072 No.8 (+16V)
AWE-072 No.3 (+21V)
AWM-101 No.6 (+21V)
AWE-072 No.7
AWE-072 No.11
AWE-072 No.12
AWE-072 No.26
AWE-072 No.27
AWE-072 No.9

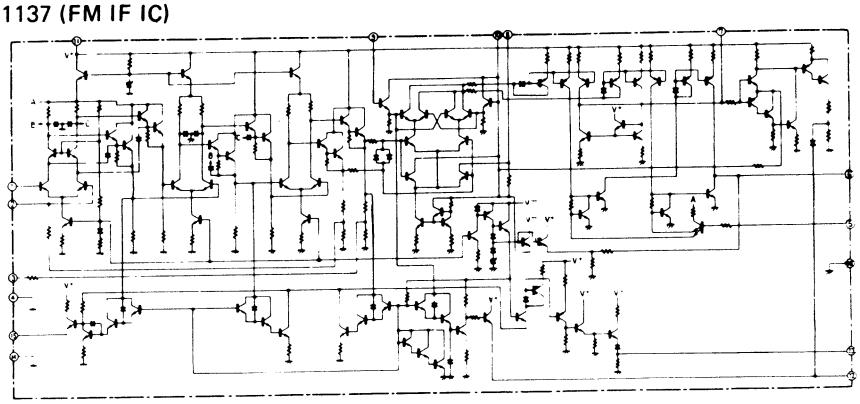
AF MUTING ASSEMBLY (AWM-101)



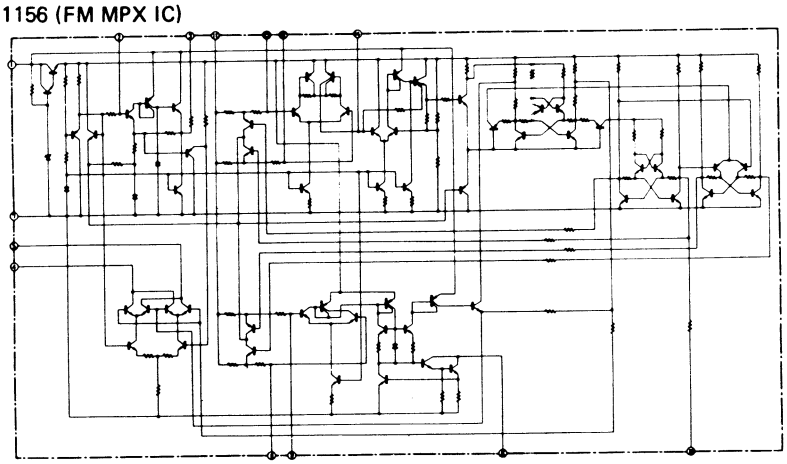


Circuit Diagrams of ICs

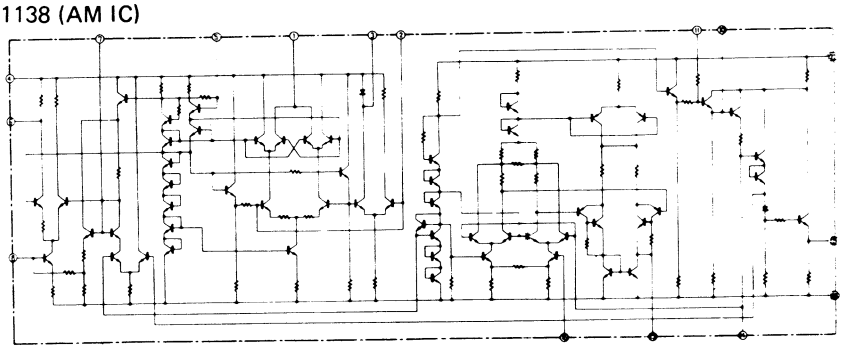
HA1137 (FM IF IC)



HA1156 (FM MPX IC)



HA1138 (AM IC)



TA7136P1